

### **In the Specification**

With reference to figure [[2]] 3, the computer 8 has a terminal 48 through which a user can control the operation of the electron microscope and view images produced by the instrument. The remaining elements of the computer 8 as illustrated in figure [[2]] 3 comprise the software used by the computer to control the various operating parameters of the electron microscope, in particular the RHT voltage supplied by the source 24 the currents supplied to the coils 32, 36, 38, 40, 42 and 44, and the pressure in the chamber 5.